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ABSTRACT

A study was conducted to document the academic and career progress of representative groups of students in all 19 Kansas community colleges from first college entry to experiences after leaving college. In fall 1985, each college randomly selected 50 to 100 representative first-time, full-time freshmen who agreed in writing to complete an initial survey and have their progress toward their educational and career goals monitored over the next 5 years through spring and fall surveys. Study findings for the first 2 years of the study included the following: (1) less than 7% of the respondents expressed dissatisfaction with their overall comunity college experiences at the end of either the first or the second year; (2) less than 5% left college after just one semester, with financial problems being the reason most often cited; (3) over 33% of the respondents to the spring 1987 survey intended to complete an educational program by the end of that semester, with 90% of those expecting to earn an associate degree; (4) slightly more than 12% had transferred to another college by fall 1986; (5) nearly half changed from full- to part-time enrollment status; (6) after 2 years of college, nearly 15% reported earning mostly A's, compared to less than 10% earning mostly A's in high school; and (7) nearly 60% of the fall 1985 respondents were receiving financial aid. Copies of the participant agreement form, the categories utilized for designation of college majors and career preferences, and each of the four surveys administered thus far are appended. (EJV)

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KANSAS COMMUNITY COLLEGES' CLASS OF 1987 FIVE YEAR LONGITUDINAL STUDY

TWO YEAR INTERIM REPORT

Office of Institutional Research
Johnson County Community College
12345 College at Quivira
Overland Park, KS 66210-1299

October 1987

JC 880 040

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PREFACE

In July of 1985, the Kansas Council of Community College Presidents commissioned the Office of Institutional Research at Johnson County Community College to coordinate a longitudinal study of representative groups of students in all 19 Kansas community colleges. The purpose of this study was to document the academic and career progress of these students from first entry into college to subsequent experiences after leaving college.

The study was designed to be carried out over a five-year period commencing with the fall semester, 1985. Initial research specifications indicated that a preliminary report would be issued two years into the project. The attached represents that preliminary report.

Following introductory information, the methodology of the study is described along with a summary of the findings. The report then describes two-year comparative data. Finally, summary results of each of the four surveys which have been conducted to this point in the project are provided. Copies of the agreement form, the categories utilized for designation of college majors and career preferences, and each of the four surveys administered thus far are attached to the report as appendices.

Questions and concerns regarding this study should be directed to:

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INTRODUCTION

A five year longitudinal study of Kansas community college first-time, full-time freshmen was initiated in the fall of 1985. The study attempts to overcome the limitations inherent in most retrospective student follow-up studies so as to provide community colleges with a thorough, accurate and useful description of the variables that affect students' progress toward their personal academic and career objectives and an evaluation of students' success in reaching their objectives.

Seventeen of the 19 Kansas community colleges returned the completed fall 1985 surveys to become a part of the state random sample. Eleven Kansas community colleges returned completed spring 1987 surveys. A total of 281 surveys were returned in spring 1987, 43.8 percent of the 641 completed in fall 1985. It is hoped that publication of this two-year report will encourage the remainder of the community colleges to resume active participation in the project.

Methodology

The design and implementation of this study is being coordinated by the Office of Institutional Research at JCCC working in cooperation with the other community colleges in Kansas and consists of two parts:

1. The random selection by each participating college of a group of 50 to 100 representative first-time, full-time freshmen who agreed in writing to complete an initial survey and have their progress toward educational and career goals followed over the next five years. "First-time" was defined as those students with no known previous education at the postsecondary level. "Full-time" was defined as enrolled in 12 or more credit hours as of the 20th day of the fall, 1985 semester.

2. A follow-up of members of the study group by each participating community college every fall and spring, using surveys designed by JCCC to insure collection of comparable data. Both an initial mailing of each survey and a follow-up mailing approximately one month later were suggested to enhance returns. Sample letters of transmittal and sufficient copies of each survey are mailed to all participating colleges by JCCC each semester. Either the original completed surveys or copies are sent to JCCC for data entry, storage and analysis.

JCCC agreed to provide this preliminary report of findings at the close of the second year and a full report at the end of the study in 1990. Drafts of both reports will be sent to the steering committee members prior to distribution.

SUMMARY OF FINDINGS

* Community College Preferred

The current community college was the first choice school to attend for nearly 80 percent of survey respondents. About two-thirds initially planned to remain at the community college four or more semesters.

Less than 7 percent of respondents expressed dissatisfaction with their overall community college experiences at the end of either the first or the second year.

* Majority Remained in College

Less than 5 percent left college after just one semester, with financial problems being the reason most often cited. By fall 1986 over 12 percent of respondents were no longer enrolled, and in spring 1987 nearly 25 percent of respondents had left school. The majority planned to re-enroll at a later date.

Over one-third of respondents to the spring 1987 survey intended to complete an educational program by the end of that semester. Of those, 90 percent would earn associate's degrees.

Slightly more than 12 percent of survey respondents had transferred to another college by fall 1986. Over 75 percent of respondents to the spring 1987 survey who intended to continue their education in fall 1987 planned to enroll in other than a Kansas community college.

About one in four survey respondents changed majors over the two year period.

Of those no longer in school in fall 1986, the majority were working (23.1% in career positions and 30.8% in other types of jobs while deciding on future plans). Less than 4 percent were serving in the military, and 11.5 percent were caring for a home and family (see Table 19).

* Nearly Half Changed From Full-time to Part-Time Enrollment Status

Although nearly all of the respondents were enrolled full-time at the start of the study, by the end of the second year only 60.9 percent of respondents were still full-time students. About one in four had changed their educational objective.

* College Grades Better than High School Grades

After two years of college, nearly 15 percent of respondents reported earning mostly A's compared to less than 10 percent earning mostly A's in high school. Conversely, the percent earning mostly C's in college was lower than the percent earning mostly C's in high school.

* Majority Received Financial Aid

Nearly 60 percent of the fall 1985 respondents were receiving financial aid. Of those, over 40 percent were receiving between $1,000 and $3,000 annually.

* Respondents Satisfied With Progress Toward Goals

At the start of the second year, 72.9 percent of respondents expressed satisfaction with their progress toward career and educational goals, and over 80 percent were satisfied with their personal development.

Over half of all respondents indicated improvement over the past two years in selected personal and academic competencies with the exception of reading speed, where the majority felt no change had occurred.

* Marital Status and Number of Children Changed

At the start of the study, over 83 percent of respondents had never married, and less than 4 percent had three or more children. By the end of the second year, less than 75 percent of respondents had never married and 6.4 percent had three or more children.

Table 1

RETURNS FROM KANSAS COMMUNITY COLLEGES

	Fall 1985		Spring 1986		Fall 1986		Spring 1987	
	No.	%	No.	%	No.	%	No.	%
Allen County	18	2.8%	0	0.0%	16	3.8	15	5.3%
Barton County	35	5.5	43	8.2	32	7.7	0	0.0
Butler County	49	7.6	25	4.8	38	9.1	28	10.0
Cloud County	30	4.7	33	6.3	34	8.2	0	0.0
Colby	37	5.8	27	5.1	0	0.0	0	0.0
Cowley County	17	2.7	0	0.0	3	.7	3	1.1
Dodge City	28	4.4	26	4.9	0	0.0	0	0.0
Fort Scott	47	7.3	31	5.9	33	7.9	32	11.4
Garden City	50	7.8	44	8.4	38	9.1	30	10.7
Highland	36	5.6	34	6.5	22	5.3	0	0.0
Hutchinson	26	4.1	25	4.8	0	0.0	0	0.0
Independence	76	11.9	57	10.8	44	10.6	43	15.3
Johnson County	53	8.3	52	9.9	51	12.2	49	17.4
Kansas City	24	3.7	24	4.6	21	5.0	13	4.6
Labette	40	6.2	31	5.9	27	6.5	29	10.3
Pratt	50	7.8	49	9.3	38	9.1	21	7.5
Seward County	25	3.9	25	4.8	20	4.8	18	6.4
Total surveys	641		526		417		281	
Totals as a percent of Fall 1985 returns	100.0%		82.1%		65.1%		43.8%	

Table 2

REPORTED COLLEGE MAJORS BY SEMESTER

	Fall 1985		Spring 1986		Fall 1986		Spring 1987	
	No.	%	No.	%	No.	%	No.	%
Agriculture & related	40	6.2%	30	5.7%	18	4.3%	10	3.6%
Architecture & related	0	0.0	4	.8	1	.2	3	1.1
Biological sciences	6	.9	5	1.0	4	1.0	5	1.8
Business & commerce	174	27.1	154	29.3	117	28.1	67	23.8
Communications	18	2.8	19	3.6	12	2.9	8	2.8
Computer and information sciences	20	3.1	13	2.5	8	1.9	3	1.1
Education	77	12.0	77	14.6	76	18.2	38	13.5
Engineering	18	2.8	20	3.8	16	3.8	11	3.9
Fine & applied arts	17	2.7	12	2.3	15	3.6	4	1.4
Health professions	76	11.9	60	11.4	45	10.8	25	8.9
Home ec & related	9	1.4	11	2.1	2	.5	1	.4
Letters (humanities)	3	.5	1	.2	2	.5	2	.7
Mathematics	4	.6	3	.6	1	.2	1	.4
Physical science	1	.2	1	.2	3	.7	1	.4
Community service	20	3.1	13	2.5	5	1.2	7	2.5
Social sciences	32	5.0	32	6.1	29	7.0	12	4.3
Trade, ind. & tech.	17	2.7	14	2.7	12	2.9	5	1.8
General studies	14	2.2	9	1.7	5	1.2	7	2.5
Unknown	95	14.8	48	9.1	46	11.0	71	25.3

TWO YEAR COMPARISONS OF SURVEY RESULTS

A number of questions were utilized in both the fall 1985 and spring 1987 surveys to provide data for comparing respondents at those two different points in time. Questions pertaining to demographics were also repeated to determine similarities between the group responding in spring 1987 and the original sample. Results of those comparisons are provided in Tables 3 to 8.

Although less than 50 percent of the original sample responded to the spring 1987 survey, sufficient similarities existed to indicate that those responding were probably still a representative sample.

* Demographics Show Expected Changes

Typical patterns emerged with regard to age, support status, marital status, and number of dependents when comparing fall 1985 respondents with spring 1987 respondents. More were independent of their parents, married, and had children. The number of children had also increased.

* Degree Aspirations and Grades Improved

About 5 percent fewer respondents indicated that their educational objective was to earn credits toward a bachelor's degree in spring 1987 than in fall 1985. However, about 3 percent more planned to eventually earn a bachelor's degree or higher. The greatest difference appeared to be in the percent of respondents planning to earn a master's degree.

Respondents reported earning better grades overall in college than they did in high school. About 15 percent earned mostly A's in college compared to less than 10 percent who earned mostly A's in high school.

* Career Choice and Working Status Changed

Shifts in career choice were evident on all four surveys. A two year comparison indicated the greatest percent of increase was in the field of education (+3.9%) and the largest decrease was in agriculture (-3.0%). Over 80 percent were at least reasonably certain about their career choice.

Significantly more respondents were working full-time in spring 1987 than were working full-time in fall 1985 (31.0% vs 11.2%). Over 20 percent were not in the labor force in fall 1985, compared to less than 9 percent not in the labor force in spring 1987.

By spring 1987, nearly 40 percent of employed respondents were working in a job related to their long term career goal. Most were earning under $5.00 an hour.

Table 3

TWO-YEAR DEMOGRAPHIC COMPARISONS

	Fall 1985 Number	Fall 1985 Percent	Spring 1987 Number	Spring 1987 Percent
Sex				
Male	251	39.2%	105	37.4%
Female	388	60.5	176	62.6
Unknown	2	.3	0	0.0
Age				
17 to 19 years old	494	77.1%	45	16.0%
20 to 29	87	13.6	191	68.0
30 to 39	35	5.5	22	7.8
40 to 49	13	2.0	11	3.9
50 and over	4	.6	4	1.4
Unknown	8	1.2	8	2.8
Support Status				
Dependent on parents	398	62.1%	124	44.1%
Dependent on spouse/other	47	7.3	25	8.9
Independent, no dependents	114	17.8	61	21.7
Jointly support a household	45	7.0	34	12.1
Sole support of a household (self and dependents)	31	4.8	14	5.0
Unknown	6	.9	23	8.2
Marital Status				
Single, never married	535	83.5%	210	74.7%
Married	79	12.3	54	19.2
Divorced, separated or widowed	23	3.6	17	6.0
Unknown	4	.6	0	0.0
Dependents				
Yes	86	13.4%	47	16.7%
No	547	85.3	224	79.7
Unknown	8	1.2	10	3.6
Number of Dependents				
One	31	36.0%	14	29.8%
Two	30	34.9	15	31.9
Three or more	25	29.1	18	38.3

Table 4

TWO-YEAR COMPARISON OF
EDUCATIONAL OBJECTIVE, ENROLLMENT STATUS
AND HIGHEST DEGREE PLANNED

	Fall 1985		Spring 1987	
	Number	Percent	Number	Percent
Educational Objective				
Earn credits toward bachelor's	382	59.6%	153	54.4%
Learn entry-level job skills	121	18.9	49	17.4
Update current job skills	0	0.0	4	1.4
Increase job skills for promotion	8	1.2	8	2.8
Learn new skills to change jobs	15	2.4	4	1.4
Explore career possibilities	38	5.9	9	3.2
Review basics for future studies	13	2.0	3	1.1
Personal/professional development	16	2.5	10	3.6
Other	15	2.4	7	2.5
No current objective/not enrolled	0	0.0	22	7.8
Unknown	33	5.1	12	4.3
Two Year Comparison With Original Educational Objective				
Same objective			215	76.5%
New objective; met original one			22	7.8
New objective; abandoned original			25	8.9
Other/unknown			19	6.8
Enrollment Status				
Part-time (1 to 11 credit hours)	15	2.3%	34	12.1%
Full-time (12 or more credit hours)	619	96.6	171	60.9
Unknown/Not currently enrolled	7	1.1	76	27.0
Highest Degree Planned				
Associate's degree	131	20.4%	42	14.9%
Bachelor's degree	266	41.5	121	43.1
Master's degree	149	23.2	82	29.2
Doctoral/professional degree	67	10.5	17	6.0
Not degree seeking	16	2.5	18	6.4
Unknown	12	1.9	1	.4

Table 5

COMPARISON OF SELF-REPORTED HIGH SCHOOL GRADES
WITH SELF-REPORTED GRADES EARNED
DURING FIRST TWO YEARS IN COLLEGE

	High School		College	
	Number	Percent	Number	Percent
Mostly A's	62	9.7%	42	14.9%
Mostly A's and B's	235	36.7	100	35.6
Mostly B's	99	15.4	40	14.2
Mostly B's and C's	154	24.0	68	24.2
Mostly C's	60	9.4	16	5.7
Mostly C's and D's	28	4.4	10	3.6
Mostly D's	0	0.0	1	.4
Unknown	3	.5	4	1.4

Table 6

TWO-YEAR COMPARISON OF CAREER CHOICE

	Fall 1985		Spring 1987	
	Number	Percent	Number	Percent
Agriculture and related fields	35	5.5%	7	2.5%
Architecture and related fields	3	.5	6	2.1
Biological sciences	2	.3	4	1.4
Business and commerce	178	27.8	82	29.2
Communications	18	2.8	10	3.6
Computer and information sciences	21	3.3	6	2.1
Education	91	14.2	51	18.1
Engineering	19	3.0	10	3.6
Fine and applied arts	21	3.3	10	3.6
Health professions	79	12.3	32	11.4
Home economics and related fields	8	1.2	2	.7
Letters (humanities)	5	.8	1	.4
Math	1	.2	2	.7
Physical sciences	1	.2	1	.4
Community service	22	3.4	10	3.6
Social sciences	29	4.5	15	5.3
Trade, industrial and technical	13	2.0	4	1.4
Unknown	95	14.8	28	10.0

Table 7

DEGREE OF CERTAINTY ABOUT CAREER CHOICE--
FALL 1985 AND FALL 1986

	Number of Responses	Percent
Fall 1985		
Very certain	253	39.5%
Reasonably certain	266	41.5
Not very certain	63	9.8
Not at all certain	31	4.8
Unknown	28	4.4
Fall 1986		
Very certain	176	42.2%
Reasonably certain	176	42.2
Not very certain	31	7.4
Not at all certain	20	4.8
Unknown	14	3.4

Table 8

TWO-YEAR COMPARISON OF
EMPLOYMENT INFORMATION

	Fall 1985 Number	Fall 1985 Percent	Spring 1987 Number	Spring 1987 Percent
Employment Status				
Working full-time (30+ hours/week)	72	11.2%	87	31.0%
Working part-time (under 30 hours)	284	44.3	125	44.5
Unemployed but looking for work	135	21.1	44	15.7
Not employed, not looking for work	130	20.3	24	8.5
Unknown	20	3.1	1	.4
Working in Job Related to Long Term Career Goal in Spring 1987				
Yes			83	39.2%
No			128	60.4
Unknown			1	.5
Hourly Wage				
$3.35 to $4.00			73	34.4%
4.01 to 5.00			40	18.9
5.01 to 6.00			33	15.6
6.01 to 7.00			25	11.8
7.01 to 8.00			7	3.3
Over 8.00			9	4.2
Unknown			25	11.8

FALL 1985 SURVEY RESULTS

The first survey administered in the five year longitudinal study contained 35 questions and provided baseline information on all students participating in the five year study. Tables 9 through 15 detail findings from the 1985 survey not presented in the preceding section.

* Demographic Data Typical for Kansas Community College Students

Over 90 percent of survey respondents were Caucasian and U.S. citizens. Nearly 40 percent were living with parents or a relative, and over half of all respondents were living in households of four or more people. Less than 5 percent were living alone.

* Community College Preferred; Involvement High

The current community college was the first choice school to attend for nearly 80 percent of survey respondents, although about 60 percent considered attending other colleges or universities before deciding on the community college.

The majority of respondents participated in some form of college activities; sports and career clubs were the two types of activities mentioned most often.

Nearly 60 percent of respondents were receiving financial aid. Of these, over 40 percent were receiving between $1,000 and $3,000 annually.

* Majority Plan Higher Degree After Community College

Over 50 percent of all respondents planned to earn either a vocational certificate or associate's degree at the community college. Another 26 percent were either undecided or did not respond to this question.

Two-thirds of respondents eventually planned to transfer to a four-year college or university and, of these, about 65 percent planned to remain at the community college four or more semesters. Most popular choices for transfer were Kansas State University (37.5%) and The University of Kansas (31.1%).

Table 9

CITIZENSHIP, RACE AND LIVING ARRANGEMENTS--
FALL 1985 RESPONDENTS

	Number of Responses	Percent
U.S. Citizen		
Yes	636	99.2%
No	3	.5
Unknown	2	.3
Race		
Caucasian	581	90.6%
Afro-American or Black	28	4.4
Mexican American	14	2.2
American Indian	5	.8
Other Hispanic	3	.5
Asian American or Oriental	3	.5
Other (Croatian, Black Mexican)	3	.5
Unknown	4	.6
Living Arrangements		
Live with parents or relatives at their home	252	39.3%
Live in college housing	200	31.2
Live in rented housing	126	19.7
Live in own house	59	9.2
Unknown	4	.6
Number of People in Household		
Live alone	27	4.2%
Two including student	92	14.4
Three "	149	23.2
Four "	175	27.3
Five "	103	16.1
Six or more "	85	13.3
Unknown	10	1.6

Table 10

FINANCIAL AID, VETERAN STATUS
AND COMMUNITY COLLEGE DEGREE PLANS--
FALL 1985 RESPONDENTS

	Number of Responses	Percent
Received Financial Aid		
Yes	376	58.7%
No	259	40.4
Unknown	6	.9
Amount per Academic Year		
$ 100 to $ 250	10	2.7%
251 to 500	46	12.2
501 to 750	29	7.7
751 to 1,000	51	13.6
1,001 to 1,500	59	15.7
1,501 to 2,000	49	13.0
2,001 to 3,000	45	12.0
3,001 to 4,000	18	4.8
Over $4,000	9	2.4
Unknown	60	16.0
Veteran		
Yes	11	1.7%
No	621	96.9
Unknown	9	1.4
Community College Degree Plans		
Not degree seeking	171	26.7%
Earn unspecified associate's degree	127	19.8
Earn associate of arts degree	108	16.8
Earn associate of applied science/ATA degree	31	4.8
Earn associate of science degree	20	3.1
Earn vocational certificate	16	2.5
Earn associate of general studies degree	1	.2
Undecided	22	3.4
Unknown	145	22.6

Table 11

COLLEGE CHOICE--
FALL 1985 RESPONDENTS

	Number of Responses	Percent
Community College Enrolled in During Fall 1985 was First Choice		
Yes	502	78.3%
No	139	21.7
First Choice Other Than Community College Enrolled in During Fall 1985		
Butler County Community College	3	2.2%
Coffeyville Community College	3	2.2
Colby Community College	3	2.2
Cowley County Community College	2	1.4
Hutchinson Community College	4	2.9
Independence Community College	2	1.4
Other Kansas Community Colleges (one each)	7	5.0
Kansas Vocational/Technical Schools	2	1.4
Emporia State University	7	5.0
Fort Hays State University	9	6.5
Kansas State University	16	11.5
The University of Kansas	18	12.9
Pittsburg State University	5	3.6
Wichita State University	5	3.6
Baker University	2	1.4
Bethel College	2	1.4
Brown Mackie College	2	1.4
McPherson College	2	1.4
Mid-America Nazarene College	2	1.4
St. Mary's of the Plains	2	1.4
Washburn University	5	3.6
Other Kansas Colleges/Universities (one each)	5	3.6
DeVry Technical Institute	2	1.4
Northwest Missouri State	3	2.2
Other Missouri Colleges/Universities (one each)	4	2.9
Colorado Colleges/Universities	2	1.4
Oklahoma Colleges/Universities	2	1.4
Texas Colleges/Universities	2	1.4
Other State Colleges/Universities (one each)	7	5.0
Unknown	9	6.5

Table 12

CONSIDERED ATTENDING ANOTHER
COLLEGE OR UNIVERSITY--
FALL 1985 RESPONDENTS

	Number of Responses	Percent
Yes	381	59.4%
No	260	40.6
First Choice of Those Considering Attending Another College		
Kansas State University	75	19.7%
University of Kansas	48	12.6
Fort Hays State University	24	6.3
Pittsburg State University	24	6.3
Emporia State University	22	5.8
Wichita State University	17	4.5
Washburn University	10	2.6
Other Kansas Community Colleges	59	15.5
Other Kansas Colleges/Universities	31	8.1
Missouri Colleges/Universities	21	5.5
Other Out-of-State College/Universities	43	11.3
Unknown	7	1.8
Second Choice		
Kansas State University	42	11.0%
Emporia State University	25	6.6
Fort Hays State University	23	6.0
University of Kansas	23	6.0
Wichita State University	18	4.7
Pittsburg State University	12	3.1
Other Kansas Community Colleges	55	14.4
Other Kansas Colleges/Universities	32	8.4
Missouri Colleges/Universities	11	2.9
Other Out-of-State Colleges/Universities	45	11.8
Unknown	95	24.9
Third Choice		
Kansas State University	22	5.8%
University of Kansas	20	5.2
Wichita State University	17	4.5
Other Kansas Community Colleges	38	10.0
Other Kansas Colleges/Universities	34	8.9
Missouri Colleges/Universities	7	1.8
Other Out-of-State Colleges/Universities	23	6.0
Unknown	220	57.7

Table 13

COLLEGE ACTIVITIES--
FALL 1985 RESPONDENTS

	Number of Responses	Percent
Participated		
Yes	335	52.3%
No	302	47.1
Unknown	4	.6
Types of Activities*		
Sports	196	59.0%
Career clubs	70	21.1
Music or drama	45	13.6
Student government	45	13.6
Rodeo/animal activities	31	9.3
Pep club, drill teams, etc.	25	7.5
Fraternal organizations	12	3.6
Yearbook, newspaper, etc.	10	3.0
Religious organizations	5	1.5
College 4-H	2	.6
Science clubs	2	.6
Ethnic groups	1	.3
Unknown	45	13.4

* Multiple response item; numbers and percentages are not additive. Percent based on total number participating in organized college activities.

Table 14

PLANS FOR TRANSFER TO FOUR-YEAR SCHOOL--
FALL 1985 RESPONDENTS

	Number of Responses	Percent
Plan to Transfer		
Yes	427	66.6%
No	109	17.0
Undecided	100	15.6
Unknown	5	.8
Number of Semesters Planned at Community College Before Transfer		
One	19	4.4%
Two	60	14.1
Three	60	14.1
Four	256	60.0
Five or more	22	5.1
Unknown	10	2.3
Where Students Plan to Transfer*		
Other Kansas community colleges	14	3.3%
Kansas vocational/technical schools	2	.4
Emporia State University	59	13.8
Fort Hays State University	65	15.2
Kansas State University	160	37.5
The University of Kansas	133	31.1
Pittsburg State University	62	14.5
Wichita State University	68	15.9
Washburn University	28	6.6
Other private Kansas colleges/universities	33	7.7
UMKC	15	3.5
Missouri Western	8	1.9
Other Missouri colleges/universities	24	5.6
Arizona colleges/universities	13	3.0
California colleges/universities	12	2.8
Colorado colleges/universities	20	4.7
Nebraska colleges/universities	12	2.8
Oklahoma colleges/universities	24	5.6
Texas colleges/universities	18	4.2
Other out-of-state colleges/universities	37	8.6

* Multiple response item; numbers and percentages are not additive. Percent based on total number of cases.

Table 15

LOCATION OF HIGH SCHOOL
FROM WHICH FALL 1985 RESPONDENTS GRADUATED

	Number of Responses	Percent
Arkansas City	5	.8%
Chanute	2	.3
Coffeyville	1	.2
Colby	4	.6
Concordia	2	.3
Dodge City	9	1.4
El Dorado	10	1.6
Emporia	1	.2
Fort Scott	12	1.9
Garden City	19	3.0
Great Bend	5	.8
Highland	6	.9
Hutchinson	1	.2
Independence	28	4.4
Iola	5	.8
Junction City	1	.2
Kansas City	17	2.7
Lawrence	4	.6
Leavenworth	3	.5
Liberal	10	1.6
McPherson	1	.2
Manhattan	5	.8
Newton	1	.2
Olathe	6	.9
Ottawa	2	.3
Overland Park	11	1.7
Parsons	9	1.4
Pittsburg	2	.3
Prairie Village	1	.2
Pratt	13	2.0
Salina	3	.5
Shawnee	11	1.7
Topeka	7	1.1
Wichita	16	2.5
Other Kansas Cities	329	51.3
Missouri Cities	17	2.7
Other States than Kansas or Missouri	53	8.3
Unknown	9	1.4

SPRING 1986 SURVEY RESULTS

Approximately 82 percent of the original sample responded to the spring 1986 survey. Tables 16 to 18 detail findings from the spring 1986 survey not presented previously.

* Few Dropped Out of School After First Semester

Although over 20 percent reported recent major changes in their lives affecting their career and educational plans, about 90 percent of respondents were still enrolled full-time at the community college they attended in fall 1985. Of those not still at the original college, nearly 30 percent were enrolled at another school. Financial problems were cited most often as the reason for leaving after one semester by those not still in college. The majority planned to re-enroll within the next year and a half.

* Respondents Satisfied With College Thus Far

Nearly 90 percent of respondents expressed satisfaction with their college experiences. Over 70 percent planned to continue their studies in fall 1986 at the college where they were enrolled at the time of the survey.

Table 16

EDUCATIONAL STATUS AND PLANS--
SPRING 1986 RESPONDENTS

	Number of Responses	Percent
Currently Enrolled at Original College		
Yes	482	91.6%
No	41	7.8
Unknown	3	.6
Enrollment Status		
Part-time (1 to 11 credit hours)	27	5.6%
Full-time (12 or more credit hours)	431	89.4
Unknown	24	5.0
Plans for Fall 1986 Semester		
Continue studies where currently enrolled	370	70.3%
Transfer to different college/university	73	13.9
Work for awhile before deciding future plans	18	3.4
Begin working career	9	1.7
Take time off before deciding future plans	5	1.0
Care for home/family	1	.2
Other	5	1.0
Unknown	45	8.6
Recent Major Changes Affecting Career and Educational Plans		
Yes	112	21.3%
No	404	76.8
Unknown	10	1.9
Satisfaction with College Experiences		
Very satisfied	163	31.0%
Generally satisfied	298	56.7
Somewhat disappointed	38	7.2
Very dissatisfied	18	3.4
Unknown	9	1.7

Table 17

STATUS OF SPRING 1986 RESPONDENTS
NOT ENROLLED IN ORIGINAL COMMUNITY COLLEGE

	Number of Responses	Percent
Currently Enrolled in Another College		
Yes	12	29.3%
No	22	53.7
Unknown	7	17.1
Where		
Pittsburg State University	3	10.7%
Washburn University	2	7.1
Fort Hays State University	1	3.6
Kansas State University	1	3.6
The University of Kansas	1	3.6
Missouri Western	1	3.6
Other Missouri Community College	1	3.6
California College/University	1	3.6
Texas College/University	1	3.6
Current Status of Nonstudents		
Working while deciding on future plans	7	31.8%
Working full-time	5	22.7
Taking time off	2	9.1
Caring for home/family	1	4.5
Serving in the military	1	4.5
Other	6	27.3
Reasons for Leaving After One Semester		
Financial problems	7	17.1%
Dissatisfied with college	3	7.3
Moved	3	7.3
Health changed	2	4.9
Tired of school	2	4.9
Work hours/job responsibilities changed	2	4.9
Career goals changed	1	2.4
Dissatisfied with instructors	1	2.4
Other	12	29.3
Unknown	8	19.5
Plan to Re-enroll		
Fall 1986	10	45.5%
Fall 1987	2	9.0
Unknown	10	45.5

Table 18

CAREER FIELDS RESPONDENTS
PLANNED TO PURSUE IN SPRING 1986
AND DEGREE OF CERTAINTY ABOUT CHOICE OF CAREER

	Number of Responses	Percent
Career Choice		
Agriculture and related fields	27	5.1%
Architecture	4	.8
Biological Sciences	3	.6
Business and commerce	138	26.2
Communications	16	3.0
Computer and information sciences	14	2.7
Education	78	14.8
Engineering	19	3.6
Fine and applied arts	15	2.9
Health professions	59	11.2
Home economics and related fields	10	1.9
Letters (humanities)	2	.4
Math	1	.2
Physical sciences	1	.2
Community service	15	2.9
Social sciences	29	5.5
Trade and industrial fields	13	2.5
Unknown	82	15.6
Degree of Certainty about Career Choice		
Very certain	203	38.6%
Reasonably certain	233	44.3
Not very certain	48	9.1
Not at all certain	18	3.4
Unknown	24	4.6

FALL 1986 SURVEY RESULTS

About two-thirds of the original sample of Kansas community college students responded to the third survey sent out during the fall of 1986. Tables 19 to 22 detail results from the fall 1986 survey not presented previously.

* Educational Persistence High After First Year

Nearly 90 percent of respondents were still enrolled in a college despite the fact that about one in five had experienced major changes in their lives within the past six months and nearly 30 percent experienced recent changes which affected their initial career and educational plans. Close to 80 percent of those still in school were enrolled full-time.

About 70 percent of all respondents planned to continue their studies where they were enrolled in spring of 1987.

Of those not currently enrolled, over 40 percent planned to re-enroll within the next year. Less than one in four were working full-time in a career position.

* Almost 50 Percent Still Plan To Earn At Least One Degree

Nearly half of all respondents planned to earn an associate's degree, and about 30 percent planned to earn a second degree as well. Of those planning to transfer, Kansas State University and Pittsburg State University were mentioned most often as schools to which students planned to transfer.

* High Level of Satisfaction

Over 70 percent of respondents were satisfied with their progress toward individual career and educational goals; over 80 percent expressed satisfaction with their personal development.

Less than 10 percent of respondents expressed dissatisfaction with their performance at the community college.

Less than 7 percent of respondents expressed dissatisfaction with their overall community college experiences.

Table 19

EDUCATIONAL STATUS--
FALL 1986 RESPONDENTS

	Number of Responses	Percent
Currently Enrolled in College		
Yes, in same college as last semester	312	74.8%
Yes, but in a different college	51	12.2
No	52	12.5
Unknown	2	.5
Enrollment Status		
Part-time (1 to 11 credit hours)	33	7.9%
Full-time (12 or more credit hours)	326	78.2
Unknown	58	13.9
Current Status if Not Currently Enrolled		
Working full-time in career position	12	23.1%
Caring for home/family	6	11.5
Serving in the military	2	3.8
Working while deciding future plans	16	30.8
Taking time off while deciding future plans	7	13.5
Other	5	9.6
Unknown	4	7.7
Plan to Re-enroll if Not Currently Enrolled		
Yes	39	75.0%
No	9	17.3
Unknown	4	7.7
When Planning to Re-enroll		
Spring 1987	10	25.6%
Summer 1987	4	10.3
Fall 1987	5	12.8
Unknown	20	51.3
Where Planning to Re-enroll		
Community college	16	41.0%
Four year college or university	11	28.2
Unknown	12	30.8

Table 20

LEVEL OF SATISFACTION WITH SELECTED EXPERIENCES
REPORTED BY FALL 1986 STUDENTS

	Satisfied	Neutral	Dissatisfied	Unknown
Respondent's performance at the community college	77.7%	10.8%	9.2%	2.4%
Preparation provided by the community college	70.8	17.7	7.2	4.3
Overall community college experiences	77.5	13.7	6.5	2.4
Ease of transition to transfer institution	25.4	7.4	2.6	64.5
Respondent's performance at transfer institution	17.3	5.5	.7	76.5
Preparation provided by transfer institution	19.9	6.5	1.7	71.9
Overall experiences at transfer institution	17.8	6.5	1.0	74.8
Respondent's current full-time job	23.3	7.0	3.6	66.2
Respondent's progress toward career and educational goals	72.9	15.3	8.1	3.6
Respondent's personal development	82.5	12.0	4.1	1.5

Number of respondents = 417

Table 21

FUTURE PLANS--
FALL 1986 RESPONDENTS

	Number of Responses	Percent
Plans for Spring 1987 Semester		
Continue studies where currently enrolled	283	67.9%
Transfer to different college/university*	63	15.1
Work for awhile before deciding future plans	23	5.5
Begin working career**	16	3.8
Care for home/family	5	1.2
Take time off before deciding future plans	2	.5
Enter the military	1	.2
Other	18	4.3
Unknown	6	1.4
***Where Transferring**		
Kansas State University	12	19.0%
Pittsburg State University	8	12.7
University of Kansas	6	9.5
Emporia State University	3	4.8
Fort Hays State University	3	4.8
Wichita State University	3	4.8
Other Kansas Colleges/Universities	8	12.7
Out-of-State Colleges/Universities	5	7.9
Unknown	15	23.8
Total transferring	63	100.0%
****Career Field for Spring 1987**		
Management and advertising	1	6.3
Marketing and purchasing	1	6.3
Real estate and insurance	1	6.3
Recreation and tourism	1	6.3
Secretarial	1	6.3
Business and commerce	1	6.3
Early childhood development	2	12.5
Health professions	3	18.8
Law	1	6.3
Technology	1	6.3
Unknown	3	18.8
Total starting a career	16	100.0%

Table 22

DEGREE PLANS AND RECENT CHANGES--
FALL 1986 RESPONDENTS

	Number of Responses	Percent
First Degree Planned		
Associate's degree	204	48.9%
Bachelor's degree	115	27.6
Master's degree	7	1.7
Doctoral degree	2	.5
No degree plans	9	2.2
Undecided	48	11.5
Unknown	32	7.7
Second Degree Planned		
Bachelor's degree	98	23.5%
Master's degree	18	4.3
Doctoral degree	6	1.4
Unknown	295	70.7
Major Changes in Life in Past Six Months		
Yes	88	21.1%
No	323	77.5
Unknown	6	1.4
Major Changes Affecting Career and Educational Plans		
Yes	120	28.8%
No	291	69.8
Unknown	6	1.4

SPRING 1987 SURVEY RESULTS

Slightly less than half of the original sample of Kansas community college students responded to the fourth survey sent out during the spring of 1987. Tables 23 to 25 detail results from the spring 1987 survey which were not presented previously.

* High Levels of Educational Persistence Continue

About three out of four respondents were satisfied with their progress toward educational goals over the past two years, and a like number were currently enrolled in an educational program. Approximately one in four have changed majors since their original enrollment two years ago.

Over one-third of respondents intended to complete an educational program by the close of the spring 1987 semester. Of those, 90 percent planned to earn associate's degrees.

Nearly 75 percent of respondents planned to enroll in fall 1987. Of these, about one in four planned to return to a community college in Kansas. Four-year schools mentioned most often as schools respondents planned to attend in fall 1987 were the University of Kansas and Pittsburg State University.

* Personal Growth Documented

Over 80 percent of respondents were satisfied with their personal growth and development since starting college two years ago.

Over 75 percent of respondents reported improvements in self-confidence, sense of responsibility, decision-making skills, general understanding of the world in which they live, and overall level of maturity since their original enrollment two years ago.

Table 23

EDUCATIONAL STATUS--
SPRING 1987 RESPONDENTS

	Number of Responses	Percent
Currently Enrolled		
Yes	209	74.4%
No	70	24.9
Unknown	2	.7
Total Credit Hours Completed by Close of Spring 1987 Semester		
1 - 15 credit hours	15	5.3%
16 - 30	12	4.3
31 - 45	17	6.0
46 - 60	45	16.0
61 - 75	82	29.2
76 - 90	18	6.4
Over 90	4	1.4
Unknown	88	31.3
Will Have Completed Educational Program by Close of Spring 1987 Semester		
Yes	103	36.7%
No	172	61.2
Unknown	6	2.1
Method of Completion		
Vocational certificate	6	5.8%
Associate's degree	93	90.3
Left with skills student wanted	4	3.9
Changed Majors Since Fall 1985 Enrollment		
Yes	68	24.2%
No	208	74.0
Unknown	5	1.8

Table 24

PERSONAL GROWTH AND DEVELOPMENT--
SPRING 1987 RESPONDENTS

	Improved	No Change	Declined	Unknown
Overall level of maturity	84.0%	13.2%	1.1%	1.8%
General understanding of the world in which you live	80.1	17.4	1.1	1.4
Decision-making skills	79.4	17.4	1.5	1.8
Sense of responsibility	79.1	16.0	3.6	1.4
Self-confidence	75.8	19.2	3.6	1.4
Personal ambition	74.0	21.4	3.6	1.1
Self-esteem	72.9	20.6	4.7	1.8
Ability to reason	70.8	26.0	1.5	1.8
Organizational skills	68.7	26.3	3.2	1.8
Ability to make sound moral judgments	66.6	30.2	1.8	1.4
Writing skills	61.5	34.5	2.5	1.4
Study skills	61.2	27.0	9.9	1.8
Ability to stick to a task until it is completed	60.5	33.1	5.0	1.4
Test-taking skills	60.5	33.5	4.3	1.8
Ability to concentrate	59.4	33.1	6.1	1.4
Patience	53.4	35.6	9.6	1.4
Reading comprehension	52.6	43.4	2.1	1.8
Reading speed	40.9	54.8	2.8	1.4

Table 25

SATISFACTION WITH PERSONAL/EDUCATIONAL GROWTH
AND PLANS FOR FALL--
SPRING 1987 RESPONDENTS

	Number of Responses	Percent
Satisfaction With Personal Growth and Development		
Very satisfied	133	47.3%
Somewhat satisfied	105	37.4
Neutral	23	8.2
Somewhat dissatisfied	15	5.3
Very dissatisfied	4	1.4
Unknown	1	.4
Satisfaction with Progress Toward Educational Goals		
Very satisfied	111	39.5%
Somewhat satisfied	99	35.2
Neutral	33	11.7
Somewhat dissatisfied	27	9.6
Very dissatisfied	10	3.6
Unknown	1	.4
Plan to Enroll in Fall 1987		
Yes	206	73.3%
No	41	14.6
Undecided	34	12.1
Where		
Kansas community colleges	49	23.8%
The University of Kansas	43	20.9
Pittsburg State University	23	11.2
Kansas State University	18	8.7
Emporia State University	16	7.8
Wichita State University	12	5.8
Washburn University	5	2.4
Other Kansas colleges/universities	8	3.9
Missouri colleges/universities	4	1.9
Other out of state colleges/universities	13	6.3
Unknown	15	7.2

SELECTED VERBATIM COMMENTS--
REASONS FOR CHANGING MAJORS

The reasons for changing majors varied from student to student, but tended to fall into four basic categories. Typical comments within each category were:

1. Interests changed:

   "Changed to music because my interest is more important than money."

   "I first was majoring in music and changed because I became more interested in history. I later realized I wasn't interested in teaching so I decided to go to pre-law."

   "It just didn't seem like what I wanted to do."

2. Job potential:

   "Changed from ag. to psych.--more career opportunities."

   "Well I'm still trying to determine demand for my job in the future."

   "Physical ed. teachers are many, English teachers are needed."

   "Secretarial is last resort--hope not to have to rely upon it."

3. Academic difficulties:

   "I was not cut out for a business major (accounting killed me)."

   "Grades not quite good enough for med. school."

   "Changed from physical therapy to occupational therapy because physics was threatening to wipe me out."

4. Personal growth/other:

   "Had considered teaching, but decided to go ahead and get a degree in engineering. Then I could still teach if I wanted but would be flexible."

   "When I enrolled in '85 I didn't know what I wanted to do."

   "Changed from liberal arts and sciences to business. Sought challenge."

   "I decided I was not cut out for Interior Design and that my love of children should be expressed."

   "Started in electrical engineering, went to possible philosophy major, now to engineering physics after two years of good thought and experience."

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APPENDIX A

AGREEMENT FORM

Participation in the Kansas Community College
Statewide Student Follow-Up Study

Name _____

Social Security Number _____

Current Address _____

_____

_____

Current Home Telephone Number _____

Current Work Telephone Number _____

Name of a Person Who Will
Always Know Your Current
Address and Telephone Number _____

Address of That person _____

_____

_____

Home Telephone Number of That Person _____

I, the undersigned, understand that by agreeing to participate in this study, I state my intention only to complete an initial survey instrument, to respond to follow-up surveys in the next five years, and to notify the College of changes in my address and telephone number.

However, I understand that by agreeing to participate in this study, I commit myself to no obligation whatsoever.

I understand that the College will keep information that I provide voluntarily confidential, and that this information will be used for research purposes only. I understand that results of this study will not identify me by name, and that results will be reported by groups only.

_____ _____
(signature) (date)

APPENDIX B

STUDENT FOLLOW-UP SURVEY

Directions: Please answer each of the following questions as accurately, honestly, and completely as you can. If necessary, please give approximate answers and partial information. It is important to provide as much information as possible, and incomplete answers are much preferred to no answers at all.

Student Identification

1. Name _____ Date survey completed_____
last first M.I.

2. Social security # _____ 3. Birthdate _____
(month/day/year)

4. Sex ____ male ____ female 5. U.S. citizen? ___ yes ___ no

If no, specify nationality _____

6. Racial/ethnic group (Check the group that best describes you.)

____ Afro-American/black
____ Caucasian-American/white
____ Mexican-American
____ Other Hispanic
____ other, please specify _____
____ American Indian/Alaskan Native
____ Asian-American,Oriental, Pacific Islander

Educational Background

7. Year of high school graduation or GED _____

8. Location of high school _____
(city/state)

9. Grades earned in high school (Check the best answer.)

____ mostly A's
____ mostly A's and B's
____ mostly B's
____ mostly B's and C's
____ mostly C's
____ mostly C's and D's
____ mostly D's
____ mostly D's and F's

College Choice

10. Community college in which you are currently enrolled _____

11. At the time you enrolled, was this community college your "first choice" of institutions to attend?

____ yes
____ no If no, what was your first choice? _____

_____

12. When you were thinking about attending college, did you seriously consider attending another college or university?

____ no
____ yes If yes, please list in order of preference the other colleges or universities you considered:

1st preference_____

2nd preference _____

3rd preference _____

13. In your own words, why did you enroll in this particular college, rather than in another college or university?

Current Educational Plans

14. What is your current educational objective at this community college? (Check only one best answer.)

_____ to earn credits toward a bachelor's degree to transfer to a four-year college or university

_____ to earn job skills for entry into a career or occupation

_____ to update job skills to keep your current job

_____ to increase job skills to seek promotion in your current career or occupation

_____ to learn new job skills to help you change your career or occupation

_____ to explore academic or occupational programs to help you decide on a career

_____ to review basic academic skills to prepare for future studies

_____ for general personal or professional development of interest

_____ other, please specify _____

_____

15. What degree or certificate do you intend to earn <u>at the community college</u>? (If none, write "not degree seeking.")

_____

16. What is your program or major at the community college? (If undecided, or if you don't know, please state these as responses. Refer to the "List of College Majors and Occupational Choices" that is provided and indicate your college major using one of the three digit codes.)

_____

17. In how many credit hours are you currently enrolled at the community college? _____

Future Educational Plans

18. Do you intend to transfer to another college or university?

____ no (If "no," skip to question #22.)
____ not sure
____ yes If yes, to which college(s) or university(ies) do you intend to transfer?

first choice _____

second choice _____

third choice _____

19. How many semesters do you plan to stay at the community college before transferring? _____

20. What major or program do you plan to follow at the institution to which you intend to transfer? (If undecided, or if you don't know, please state these as responses. Refer to the "List of College Majors and Occupational Choices" that is provided and indicate your intended college major using one of the three digit codes.)

_____

21. In your own words, why do you intend to transfer to the particular college or university that you have listed as your first choice in question # 18?

22. What is the highest degree you hope to earn?

____ certificate
____ associate's degree
____ bachelor's degree
____ master's degree
____ advanced professional degree (law, medicine, etc.)
____ doctorate
____ I do not plan to earn a degree.

Career Plans

23. As well as you can currently determine, what career do you intend to pursue? (If undecided, or if you don't know, please state these as responses. Refer to the "List of College Majors and Occupational Choices" that is provided and indicate you intended career using one of the three digit codes.)

_____

24. How certain are you about your plans to pursue this career?

____ very certain
____ reasonably certain
____ not very certain
____ not at all certain

25. In your own words, why do you plan to pursue this career? What attracts you about this particular career?

Current Financial and Living Arrangements

26. What is your current employment status?

____ not employed, not looking for employment
____ not employed, looking for employment
____ employed
If employed, how many hours per week? _____

27. What is your present financial support status? (Check only one best answer.)

____ financially dependent on parents
____ financially dependent on spouse or significant other
____ financially independent with no dependents
____ jointly support a household
____ sole support of household (self and dependents)

28. Do you receive student financial aid?

____ no
____ yes If yes, approximately how much in an academic year? _____

29. What is your present living arrangement? (Check only one best answer.)

____ live with parents or relatives in their house
____ live in college housing
____ live in rented housing
____ live in own house

30. How many people, including yourself, are in your household?

_____

31. Do you have any dependents?

____ no
____ yes If yes, how many?_____

32. What is your marital status?

____ single, never married
____ married
____ single, divorced or widowed

Miscellaneous

33. Do you currently participate in any organized college activities?

____ no
____ yes If yes, please list which ones:

_____

_____

_____

34. Are you a veteran? ____ yes ____ no

Five-Year Plan

35. In your own words, what do you expect you will be doing five years from now?

Thanks for your help in this important project!

College staff will be in contact with you every six months or so to ask about your progress toward your goals. In the meantime, please notify the College of any change of address or telephone number.

To notify the College of a change of address, please call or write the following office at the College and identify yourself as **"a member of the JCCC Class of 1987"**:

Office of Institutional Research
Johnson County Community College
12345 College at Quivira
Overland, Park, KS 66210-1299
(913) 469-8500 ext 3441

APPENDIX C

LIST OF COLLEGE MAJORS AND OCCUPATIONAL CHOICES

Since we could not list all possible occupations and programs of study, you may not be able to find an exact description of the one that applies to you. If that is the case, you should select a general area—for example, 100 (Agricultural Fields), 200 (Engineering Fields), 220 (Fine and Applied Arts).

If you are completely undecided about your answer, mark 000.

000 Undecided

100 **AGRICULTURE**, general
101 Agricultural Business
102 Agricultural Economics
103 Agricultural and Farm Management (farming and ranching)
104 Agriculture, Forestry, and Wildlife Technologies
105 Agronomy (field crops and crop management)
106 Animal Science (husbandry)
107 Fish, Game, and Wildlife Management
108 Food Science and Technology
109 Forestry
110 Horticulture/Ornamental Horticulture
111 Natural Resources Management (soil conservation)

120 **ARCHITECTURE**, general
121 Architecture Technology
122 City, Community, and Regional Planning
123 Environmental Design, general
124 Interior Design
125 Landscape Architecture

130 **BIOLOGICAL SCIENCES**, general
131 Biology
132 Biochemistry
133 Botany
134 Ecology
135 Microbiology
136 Zoology

140 **BUSINESS AND COMMERCE**, general
141 Accounting
142 Banking and Finance
143 Business Economics
144 Business Management and Administration
145 Food Marketing
146 Hotel and Restaurant Management
147 Labor and Industrial Relations
148 Office Management
149 Marketing and Purchasing (sales and retailing)
150 Real Estate and Insurance
151 Recreation and Tourism
152 Secretarial Studies
153 Transportation and Public Utilities

160 **COMMUNICATIONS**, general
161 Journalism
162 Radio/Television (related to broadcasting)
163 Advertising
164 Library Science

170 **COMPUTER AND INFORMATION SCIENCES**, general
171 Computer Programming
172 Information Systems and Sciences
173 Systems Analysis
174 Data Processing Technology
175 Computer Operating
176 Data Systems Repair

180 **EDUCATION**, general
181 Agricultural Education
182 Art Education
183 Business, Commerce, and Distributive Education
184 Educational Administration
185 Elementary Education
186 English Education
187 Home Economics Education
188 Industrial Arts, Vocational/Technical Education
189 Mathematics Education
190 Music Education
191 Physical Education
192 Postsecondary Education, general
193 Science Education
194 Secondary Education, general
195 Social Science Education
196 Special Education
197 Speech Education
198 Student Guidance and Counseling

200 **ENGINEERING**, general
201 Aerospace, Aeronautical, and Astronautical Engineering
202 Agricultural Engineering
203 Architectural Engineering
204 Chemical Engineering
205 Civil Engineering
206 Electrical, Electronics, and Communications Engineering
207 Environmental and Ecological Engineering
208 Geological Engineering
209 Industrial and/or Management Engineering
210 Mechanical Engineering
211 Metallurgical and Materials Engineering
212 Mining and Mineral Engineering
213 Nuclear Engineering
214 Ocean Engineering
215 Petroleum Engineering

220 **FINE AND APPLIED ARTS**, general
221 Applied Design (ceramics, weaving, commercial art)
222 Art (painting, drawing, sculpture)
223 Art History and Appreciation
224 Dance
225 Dramatic Arts (theater arts)
226 Music (liberal arts)
227 Music (performing, composition, theory)
228 Music History and Appreciation
229 Photography/Cinematography

230 **FOREIGN LANGUAGES**, general
231 French
232 German
233 Italian
234 Latin
235 Spanish
236 Russian

240 **HEALTH PROFESSIONS**, general
241 Dentistry
242 Dental Assistant
243 Dental Hygiene
244 Dental Lab Technology
245 Environmental Health Technologies
246 Medicine, general
247 Medical Assistant or Medical Office Assistant
248 Medical or Laboratory Technology
249 Nursing (registered)
250 Nursing (licensed practical nurse)
251 Occupational Therapy
252 Optometry
253 Pharmacy
254 Physical Therapy
255 Public Health
256 Radiology
257 X-ray Technology
258 Surgical Technology (surgeon's assistant, etc.)
259 Veterinary Medicine

260 **HOME ECONOMICS**, general
261 Clothing and Textiles
262 Consumer Economics and Home Management
263 Family Relations and Child Development
264 Foods and Nutrition (including Dietetics)
265 Institutional Management

270 **LETTERS** (humanities), general
271 Classics
272 Comparative Literature
273 Creative Writing
274 English, general
275 Linguistics
276 Literature, English
277 Philosophy
278 Religion and Theology
279 Speech, Debate, Forensic Science

280 **MATHEMATICS**, general
281 Applied Mathematics
282 Statistics (mathematical and theoretical)

285 **PHYSICAL SCIENCE**, general
286 Astronomy
287 Chemistry
288 Earth Sciences
289 Geology
290 Oceanography
291 Physics

300 **COMMUNITY SERVICE**, general
301 Criminal Justice and Law Enforcement (police science, corrections, etc.)
302 Parks and Recreation Management
303 Public Administration
304 Social Work
305 Military

310 **SOCIAL SCIENCES**, general
311 Anthropology
312 Area Studies (American civilization, American studies, etc.)
Criminal Justice (see code 301)
313 Economics
314 Ethnic Studies (Asian studies, Black studies, Chicano studies, etc.)
315 Geography
316 History
317 International Relations
318 Law (prelaw)
319 Political Science
320 Psychology
321 Sociology

330 **TRADE, INDUSTRIAL, AND TECHNICAL**, general
331 Agricultural Mechanics and Technology
332 Air Conditioning, Refrigeration, and Heating Technology
333 Aeronautical and Aviation Technology
334 Appliance Repair
335 Automobile Body Repair
336 Automobile Mechanics
337 Business Machine Maintenance
338 Carpentry and Construction
339 Drafting/Engineering Graphics
340 Electricity and Electronics
341 Engineering Technology—Aeronautical
342 Engineering Technology—Automotive
343 Engineering Technology—Civil
344 Engineering Technology—Industrial/Manufacturing
345 Engineering Technology—Mechanical
346 Graphic Arts (printing, typesetting)
347 Heavy Equipment Operating
348 Dry Cleaning, Laundry, and Clothing Technology
349 Industrial Arts
350 Leatherworking (shoe repair, etc.)
351 Machinework (tool and die, etc.)
352 Masonry (brick, cement, stone, etc.)
353 Metalworking
354 Plumbing and Pipefitting
355 Radio/TV Repair
356 Small Engine Repair
357 Upholstering
358 Watch Repair and Other Instrument Maintenance and Repair
359 Welding
360 Woodworking (cabinetmaking, millwork)

370 **GENERAL STUDIES**

APPENDIX D

SPRING 1986, STUDENT FOLLOW-UP SURVEY

DIRECTIONS: Please answer each of the following questions as accurately, honestly, and completely as you can. It is important to provide as much information as possible.

Student Identification

1. Name _____ Date survey completed _____
   (last) (first) (M.I.)
2. Social security number _____
3. What is your current mailing address and telephone number?

   _____

   _____

   _____

   _____

Current Educational Status

4. Are you currently enrolled in the same community college in which you were enrolled last semester, fall 1985?

   ____ yes If "yes," in how many credit hours are you currently enrolled? _____

   [IF "YES," SKIP TO QUESTION #9.]

   ____ no

5. In your own words, why did you leave the community college after one semester?

6. Are you enrolled in another college, university, or educational institution?

   ____ yes If "yes," what is the name and location of your current educational institution?

   _____

   [IF "YES," SKIP TO QUESTION #9.]

   ____ no

7. If you are not enrolled in an educational institution, which of the following best describes your current status? (Check only one "best" description.)

   ____ working in a full-time career position
   ____ caring for a home or family
   ____ serving in the military
   ____ working while deciding on future plans
   ____ taking time off while deciding on future plans
   ____ traveling
   ____ other, please describe _____

8. Do you plan to re-enroll in a college, university, or other educational institution in the foreseeable future?

   ____ no
   ____ yes If "yes," when do you anticipate re-enrolling?

   _____

   If "yes," in what institution?

   _____

Future Educational and Career Plans

9. In the last six months, have you made any major changes in your future educational or career plans?

   ____ no
   ____ yes If "yes," please describe.

10. What is your current college major or program? (Refer to the "List of College Majors and Occupational Choices" that is provided. Write out your intended college major and indicate the three digit code that most closely describes your major.)

_____

11. What degree(s) do you plan to earn, and at what educational institution(s)? (Check all of the following that apply to you.)

		Educational Institution
___	certificate and/or associate's	_____
___	bachelor's	_____
___	master's and/or professional degree	_____
___	doctorate	_____
___	I do not plan to earn a degree.	
___	I am undecided about my educational plans.	

12. What career do you intend to pursue? (Refer to the "List of College Majors and Occupational Choices" that is provided. Write out your intended career and indicate the three digit code that most closely describes your career choice.)

_____

13. How certain are you about your plans to pursue this career?

___ very certain
___ reasonably certain
___ not very certain
___ not at all certain

14. Have there been any other major changes in your life in the last six months that have affected your future educational or career plans?

___ no
___ yes If "yes," please describe.

Plans for Fall, 1986

15. Which of the following best describes your plans for fall, 1986? (Check only one.)

___ I plan to continue my studies at the community college in which I am currently enrolled.
___ I plan to transfer to another college or university. Please provide name and location of this college or university. _____
___ I plan to begin my working career. Please identify your planned career and anticipated job title. _____
___ I plan to work for awhile before deciding on future plans.
___ I plan to take time off before deciding on future plans.
___ I plan to take care of my home and family.
___ I plan to enter the military.
___ I have other plans. Please describe. _____

Satisfaction With College Experiences

16. How satisfied are you with your college experiences so far?

___ very dissatisfied
___ somewhat disappointed
___ generally satisfied
___ very satisfied

Please comment on your reasons for satisfaction or dissatisfaction.

16. Do you have any comments or suggestions for improvements concerning the community college or any other educational institutions with which you have been associated?

THANK YOU FOR YOUR RESPONSES.

APPENDIX E

STUDENT FOLLOW-UP SURVEY

Fall, 1986

DIRECTIONS: Please answer each of the following questions as accurately, honestly, and completely as you can. It is important to provide as much information as possible so that we can update our information about you.

Student Identification

1. Name _____ Date survey completed _____
(last) (first) (M.I.)

2. Social security number _____

3. What is your current mailing address and telephone number?

_____

_____

_____

Current Educational Status

4. Are you currently enrolled in college, university, or educational institution?

____ no **[IF "NO," SKIP TO QUESTION #7.]**

____ yes If "yes," what is the name and location of your current educational institution?

_____

5. If "yes," in how many credit hours are you currently enrolled? _____

6. If "yes," are you currently enrolled in the same college or university as you were last spring (spring, 1986)?

____ no
____ yes If "yes," in your own words, why did you choose to attend this particular college or university?

If "yes," in your own words, why did you leave the college or university in which you were previously enrolled?

[IF "YES," SKIP TO QUESTION #9.]

7. If you are not enrolled in an educational institution, which of the following best describes your current status? (Check only one "best" description.)

____ working in a full-time career position
____ caring for a home or family
____ serving in the military
____ working while deciding on future plans
____ taking time off while deciding on future plans
____ other, please describe _____

8. Do you plan to re-enroll in a college, university, or other educational institution in the foreseeable future?
____ no
____ yes If "yes," when do you anticipate re-enrolling?

_____

If "yes," in what institution?

_____

Future Educational and Career Plans

9. In the last six months, have you made any major changes in your future educational or career plans?
____ no
____ yes If "yes," please describe.

10. What is your current college major or program?

_____

11. What degree(s) do you currently plan to earn, and at what educational institution(s)?

Degree	Educational Institution
_____	_____
_____	_____

____ I do not plan to earn a degree.
____ I am undecided about my educational plans.

12. What career do you currently intend to pursue?

_____

13. How certain are you about your current plans to pursue this career?

____ very certain
____ reasonably certain
____ not very certain
____ not at all certain

14. Have there been any other major changes in your life in the last six months that have affected your future educational or career plans?
____ no
____ yes If "yes," please describe.

Satisfaction with College Experiences

15. Please rate your level of satisfaction with each of the applicable experiences using the following scale:

1 = very dissatisfied
2 = generally dissatisfied
3 = neutral
4 = generally satisfied
5 = very satisfied

NA = not applicable

a.	your performance at original community college	1	2	3	4	5	NA
b.	the academic or career preparation provided by original community college	1	2	3	4	5	NA
c.	overall experiences at original community college	1	2	3	4	5	NA
d.	ease of transition to a transfer institution	1	2	3	4	5	NA
e.	your performance at the transfer institution	1	2	3	4	5	NA
f.	the academic or career preparation provided by the transfer institution	1	2	3	4	5	NA
g.	overall experiences at the transfer institution	1	2	3	4	5	NA
h.	your current full-time job	1	2	3	4	5	NA
i.	YOUR PROGRESS TOWARD YOUR EDUCATIONAL AND CAREER GOALS	1	2	3	4	5	NA
j.	YOUR PERSONAL DEVELOPMENT	1	2	3	4	5	NA

16. Please comment on your reasons for satisfaction or dissatisfaction with any of the previous experiences identified in Question #15.

Plans for Spring, 1987

17. Which of the following best describes your plans for spring, 1987? (Check only one.)

____ I plan to continue my studies at the college or university in which I am currently enrolled.
____ I plan to transfer to another college or university. Please provide name and location of this college or university.

_____

____ I plan to begin my working career. Please identify your planned career and anticipated job title.

_____

____ I plan to work for awhile before deciding on future plans.
____ I plan to take time off before deciding on future plans.
____ I plan to take care of my home and family.
____ I plan to enter the military.
____ I have other plans. Please describe. _____

18. Do you have any comments or suggestions for improvements concerning the community college or any other educational institutions with which you have been associated?

THANK YOU FOR YOUR RESPONSES!

APPENDIX F

SPRING 1987 FOLLOW-UP--CLASS OF 1987

DIRECTIONS: Please take a few minutes to answer each of the following questions as honestly and completely as you can so we can continue to update our information about you.

Student Identification

1. Name_____ Date survey completed_____
(Last) (first) (M.I.)

2. Social security number_____

3. What is your current mailing address?

_____

_____

4. What is your current telephone number? ( )_____

Educational Status and Plans

5. Are you currently enrolled in an educational program?

_____no
_____yes, at (name of school)_____

A. number of credit hours currently enrolled in_____

B. number of credit hours completed by close of spring 1987 term_____

C. major course of study_____

6. Have you changed your major course of study since first enrolling in the fall of 1985?

_____no
_____yes (Please explain reason for change in majors) _____

_____

7. Will you have completed an educational program by the close of the spring 1987 semester?

_____no
_____yes

month and year completed

A. earned a vocational certificate _____

B. earned an associate's degree _____

C. left with skills I wanted _____

D. program completed (name of major)_____

E. where program completed (name of school)_____

8. What grades have you earned in college?

_____Mostly A's
_____Mostly A's and B's
_____Mostly B's
_____Mostly B's and C's
_____Mostly C's
_____Mostly C's and D's
_____Mostly D's
_____Mostly F's

9. What is your current educational objective? (Check only one best answer)

_____to earn credits toward a bachelor's degree
_____to earn job skills for entry into a career or occupation
_____to update job skills to keep my current job
_____to increase job skills to seek promotion in my current career field
_____to learn new job skills to help me change my career or occupation
_____to explore academic or career programs to help me decide on a career
_____to review basic academic skills to prepare for future studies
_____for general personal or professional development
_____no current educational objective--not currently enrolled
_____other (please specify)

_____

10. How does your current educational objective (checked in #9 above) compare with your reason for first enrolling at a community college in the fall of 1985?

_____same objective
_____new objective; original one has been met
_____new objective; original one was abandoned
_____other (please specify)

_____

11. Do you plan to enroll in an educational program next fall?

_____no
_____yes (name of school you plan to attend)_____
_____uncertain

12. What is the highest degree you eventually hope to earn?

_____associate's degree
_____bachelor's degree
_____master's degree
_____doctoral degree
_____no plans to earn a degree

13. What career field do you eventually hope to enter? (be specific--what do you want to be?)

_____

Employment Information

14. What is your current employment status?

_____working full-time (30 or more hours per week)
_____working part-time (under 30 hours per week)
_____unemployed, but looking for work (skip to question #17)
_____not employed and not looking for work (skip to question #17)

15. Are you currently working in a job related to your long term career goal (see question #13)

_____Yes
_____No

16. What is your current hourly wage?_____

Personal Growth and Development

17. Please indicate the level of change you have experienced in each of the following areas since your first college enrollment in the fall of 1985. (Circle the number of the response most closely reflecting your opinion)

	Significantly Improved	Somewhat Improved	No change	Somewhat Declined	Significantly Declined
A. Study skills	5	4	3	2	1
B. Organizational skills	5	4	3	2	1
C. Reading speed	5	4	3	2	1
D. Reading comprehension	5	4	3	2	1
E. General understanding of the world in which you live	5	4	3	2	1
F. Writing skills	5	4	3	2	1
G. Test-taking skills	5	4	3	2	1
H. Ability to concentrate	5	4	3	2	1
I. Ability to reason	5	4	3	2	1
J. Decision-making skills	5	4	3	2	1
K. Sense of responsibility	5	4	3	2	1
L. Self-confidence	5	4	3	2	1
M. Self-esteem	5	4	3	2	1
N. Patience	5	4	3	2	1
O. Ability to stick to a task until it is completed	5	4	3	2	1
P. Personal ambition	5	4	3	2	1
Q. Ability to make sound moral judgments	5	4	3	2	1
R. Overall level of maturity	5	4	3	2	1

18. How satisfied are you with your progress toward your educational goals?

_____very satisfied
_____somewhat satisfied
_____neutral
_____somewhat dissatisfied
_____very dissatisfied

19. How satisfied are you with your personal growth and development since the start of this follow-up in fall of 1985?

_____very satisfied
_____somewhat satisfied
_____neutral
_____somewhat dissatisfied
_____very dissatisfied

20. What is your present financial support status? (check only one)

_____financially dependent on parents
_____financially dependent on spouse or significant other
_____financially independent with no dependents
_____jointly support a household
_____sole support of household (self and dependents)
_____other (please specify)

_____

21. Current marital status:

_____single (never married)
_____married
_____separated, divorced, or widowed

22. Number of children:

_____none
_____one
_____two
_____three or more

23. Sex

_____Female
_____Male

24. Age_____

25. Any comments or suggestions which would help us develop a better understanding of student needs and how the community college can assist students in making progress toward their educational and personal goals would be appreciated.

THANK YOU FOR YOUR CONTINUED PARTICIPATION IN THIS STUDY

ERIC Clearinghouse for Junior Colleges FEB 26 1988